

Title (en)  
PROCESS FOR THE PRODUCTION OF ALUMINE

Publication  
**EP 0102403 B1 19860305 (DE)**

Application  
**EP 82108086 A 19820902**

Priority  
EP 82108086 A 19820902

Abstract (en)  
[origin: US4512959A] Process for recovering coarsely crystalline alumina hydrate from bauxite according to the Bayer process wherein, in the presence of fine seed crystals, agglomerates are initially formed in a supersaturated sodium aluminate solution at 80 DEG to 65 DEG C. The agglomerates are then conducted through a first cascade of crystallizers and, after cooling to 55 DEG to 45 DEG C., through a second crystalizer cascade. A crystal suspension is extracted from the last crystallizer of the second crystallizer cascade and fractionated into fine seed crystals and coarse product crystals.

IPC 1-7  
**C01F 7/06**

IPC 8 full level  
**C01F 7/144** (2022.01)

CPC (source: EP US)  
**C01F 7/144** (2013.01 - EP US); **C01P 2004/50** (2013.01 - EP US); **C01P 2004/61** (2013.01 - EP US)

Cited by  
US4617179A; GB2146012A; EP0714852A1; EP0166053A1; WO2007009377A1

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DE FR IT

DOCDB simple family (publication)  
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